

**AGENDA**  
**UAB VASCULAR BIOLOGY AND HYPERTENSION RESEARCH SYMPOSIUM**  
Sandestin Beach Hilton  
5540 Highway 98 East  
Destin, Florida 32541  
(904) 267-9500  
(800) 367-1271 (Outside Florida)  
October 6-9, 1994

Thursday, October 6, 1994

**BALLROOM - Lobby Level**

2:45 - 3:00 p.m.

**Introduction**  
Suzanne Oparil, M.D.  
Director, Vascular Biology and Hypertension Program  
of the Division of Cardiovascular Disease  
Professor of Medicine  
President, American Heart Association  
University of Alabama at Birmingham

**NATRIURETIC PEPTIDES**

Chairman: Mark E. Steinhelper, Ph.D.,  
Assistant Professor of Medicine  
University of Alabama at Birmingham

3:00 - 3:45 p.m.

**Genetically Decreased Levels of ANF and Hypertension**  
Simon John, Ph.D.  
Postdoctoral Fellow  
Department of Pathology  
University of North Carolina  
Chapel Hill, NC

3:45 - 4:30 p.m.

**New Insights into the "Vascular" Natriuretic Peptides in Cardiovascular Regulation**  
John C. Burnett, Jr., M.D.  
Professor of Medicine and Physiology  
Department of Cardiovascular Disease & Internal Medicine  
Mayo Medical Center  
Rochester, MN

4:30 - 4:45 p.m.

**Break**

Thursday, October 6, 1994

BALLROOM - Lobby Level

**NATRIURETIC PEPTIDES**

- 4:45 - 5:30 p.m.                      **Sex, Steroids, and C-Type Natriuretic Peptide**  
Mark E. Steinhelper, Ph.D.  
Assistant Professor of Medicine  
University of Alabama at Birmingham  
Birmingham, AL
- 5:30 - 6:15 p.m.                      **Expression and Alternate Splicing of Natriuretic Peptide  
Receptors in Vascular Smooth Muscle Cells**  
Johanne Tremblay, Ph.D.  
Associate Professor of Medicine  
University of Montreal  
Research Center of Hotel-Dieu Hospital  
Montreal, Canada
- 6:15 - 7:00 p.m.                      **Regulation of Cardiac Natriuretic Peptide Synthesis and  
Secretion**  
James R. Klinger, M.D.  
Assistant Professor of Medicine  
Division of Pulmonary and Critical Care Medicine  
Brown University School of Medicine  
Rhode Island Hospital  
Providence, Rhode Island
- 7:00 p.m.                                **Free Evening**

Friday, October 7, 1994

7:30 - 8:00 a.m.                      **Breakfast - Lounge - Lobby Level**

BALLROOM - Lobby Level

**RENIN - ANGIOTENSIN SYSTEM**

- Chairman:      Terry S. Elton, Ph.D.  
Assistant Professor of Medicine  
University of Alabama at Birmingham
- 8:00 - 8:45 a.m.                      **Angiotensin II Mediated Proliferation and Regulation of the  
Renin-Angiotensin System in Cardiac Fibroblasts**  
David E. Dostal, Ph.D.  
Associate Scientist  
Weis Center for Research, Geisinger Clinic  
Danville, PA

Friday, October 7, 1994

**BALLROOM - Lobby Level**

**RENIN - ANGIOTENSIN SYSTEM**

- 8:45 - 9:30 a.m.                      **Cell Growth Versus Apoptosis and Hypertension**  
Pavel Hamet, M.D., Ph.D.  
Director, Center for Research  
University of Montreal  
Research Center of Hotel-Dieu Hospital  
Montreal, Canada
- 9:30 - 9:45 a.m.                      **Break**
- 9:45 - 10:30 a.m.                    **Using Animal Models to Study the Renin-Angiotensin System**  
John Krege, M.D.,  
Howard Hughes Physician, Postdoctoral Fellow  
Department of Pathology  
University of North Carolina  
Chapel Hill, NC
- 10:30 - 11:15 a.m.                   **Angiotensin Converting Enzyme and Myocardial Fibrosis**  
Yao Sun, Ph.D., M.D.  
Assistant Professor of Internal Medicine  
Division of Cardiology  
University of Missouri-Columbia  
Columbia, MO
- 11:15 - 12:00 p.m.                   **The Cardiac Renin-Angiotensin System in Hypertrophy**  
**Heart Failure**  
Louis Dell'Italia, M.D.  
Associate Professor of Medicine  
Division of Cardiovascular Disease  
University of Birmingham at Alabama  
Birmingham, AL
- 12:00 - 3:00 p.m.                    **Free Afternoon**

**BALLROOM - Lobby Level**

**ENDOTHELIN**

- Chairman:                      Yiu-Fai Chen, Ph.D.  
Associate Professor of Medicine  
University of Alabama at Birmingham
- 3:00 - 3:45 p.m.                    **Characterization of ET Receptors in Pulmonary Artery in**  
**Health and Disease**  
Russell Bialecki, Ph.D.  
Senior Research Pharmacologist  
Zeneca Pharmaceutical Group  
Wilmington, DE

Friday, October 7, 1994

BALLROOM - Lobby Level

**ENDOTHELIN**

3:45 - 4:30 p.m.

**HIF-1: A Transcriptional Activator of Hypoxia-Inducible Genes**

Guang L. Wang, Ph.D.

Research Associate

The John's Hopkins University School of Medicine

Baltimore, MD

4:30 - 5:15 p.m.

**Endothelin and Receptors in Hypoxic Pulmonary Hypertension in the Rat**

Huaibing Li, M.D.

Postdoctoral Fellow

Vascular Biology and Hypertension Program

University of Alabama at Birmingham

Birmingham, AL

5:15 - 5:30 p.m.

**Break**

5:30 - 6:15 p.m.

**Endothelin and the Lung**

David Langleben, M.D.

Associate Professor

McGill University, Cardiology Division

Jewish General Hospital

Montreal, Canada

6:15 - 7:00 p.m.

Clint Lothrop, Jr., D.V.M., Ph.D.

Professor of Internal Medicine

Scott Ritchey Research Center

Auburn University

Auburn, AL

7:00

**Free Evening**

Saturday, October 8, 1994

7:30 - 8:00 a.m.

Breakfast - Lounge - Lobby Level

BALLROOM - Lobby Level

**NEURAL MECHANISMS OF CARDIOVASCULAR CONTROL**

Chairman: Kathleen H. Berecek, Ph.D.  
Professor of Physiology and Biophysics  
Associate Scientist  
University of Alabama at Birmingham

8:00 - 8:45 a.m.

**Hypertension Related Alterations in Structure and Function of the Cerebral Cortex in the Aging Rat**

J. Michael Wyss, Ph.D.  
Professor, Department of Cell Biology  
University of Alabama at Birmingham  
Birmingham, AL

8:45 - 9:30 a.m.

**Neurons Responsible for the 10Hz Rhythm in Sympathetic Nerve Discharge**

Susan M. Barman, Ph.D.  
Research Associate  
Department of Pharmacology and Toxicology  
Michigan State University  
East Lansing, MI

9:30 - 9:45 a.m.

**Break**

9:45 - 10:30 a.m.

**CNS and Hypertension: Effects of Brain Transplants and Interactions of Vasoactive Peptides with Astrocytes**

Christopher Deschepper, M.D.  
Laboratory Director, Neurobiology and Vasoactive Peptides  
IRCM, Clinical Research Institute of Montreal  
Quebec, Canada

10:30 - 11:15 p.m.

**The Role of Caudal Ventrolateral Medullary Neurons in Baroreceptor and Tonic Regulation of Sympathetic Nerve Activity**

Shaun F. Morrison, Ph.D.  
Associate Professor of Physiology  
Northwestern University  
Chicago, ILL

11:15 - 12:00 p.m.

**Role of the Brain in Baroreceptor Independent Control of Blood Pressure**

Allen F. Sved, Ph.D.  
Professor of Neuroscience and Psychiatry  
Department of Behavioral Neuroscience  
University of Pittsburgh  
Pittsburgh, PA

12:00 - 3:00 p.m.

**Free Afternoon**

Saturday, October 8, 1994  
BALLROOM - Lobby Level

**SEXUAL DIMORPHISM OF CARDIOVASCULAR DISEASE**

Chairman: Suzanne Oparil, M.D.  
Director, Vascular Biology and Hypertension Program  
of the Division of Cardiovascular Disease  
Professor of Medicine  
President, American Heart Association  
University of Alabama at Birmingham

3:00 - 3:30 p.m. **Heart Disease in Women: Clinical Aspects**

Vera A. Bittner, M.D.  
Associate Professor of Medicine  
Cardiovascular Disease  
University of Alabama at Birmingham  
Birmingham, AL

3:30 - 4:15 p.m. **Calcification in Coronary Arteries - Gender Related Differences**

Lorraine A. Fitzpatrick, M.D.  
Associate Professor of Medicine  
Mayo Clinic  
Rochester, MN

4:15 - 5:00 p.m. **Estrogen, Ion Channels and Coronary Artery Tone**

Mark T. Nelson, Ph.D.  
Professor  
Department of Pharmacology  
University of Vermont  
Colchester, VT

5:00 - 5:15 p.m. **Break**

5:15 - 6:00 p.m. **Estrogen Receptors in Human Vascular Smooth Muscle**

Douglas W. Losordo, M.D.  
Assistant Professor of Medicine  
Division of Cardiovascular Medicine and Research  
St. Elizabeth's Hospital  
Boston, MA

6:00 - 6:45 p.m. **Modulation of Endothelial Cell Angiogenic Activity by Estrogens**

H. William Schnaper, M.D.  
Associate Professor of Pediatrics  
Division of Nephrology  
Northwestern University Medical School  
Chicago, IL

7:00 p.m. **Reception - Poolside**

8:00 p.m. **Dinner - Poolside**

Sunday, October 9, 1994 **NO MEETINGS**  
12:00 p.m. **Checkout**